INDEX

Annelida, 17
Airplane applications, 1
Arthropoda, 17

Berlese funnels, 11
Birds and mammals, role in seed germination, 269
Black Forest, Colorado, an ecological study of, 123
Bogs of central Minnesota, 173

Carbon dioxide, 245
Colorado, 233
Competition and growth of Piedmont forest tree species in relation to light and water, 207
Conway, Verona M., article, 173

Darland, R. W., article, 303
DDT, 1

Ecology of Black Forest, Colorado, 123
Ellison, Lincoln, article, 95

Food, 67

Germination, seed, role of birds and mammals in, 269
Grasses, effect on eroded soils in southeastern Iowa, 145
soil-root relationships in various soil types, 303
Growth and competition of Piedmont forest tree species in relation to light and water, 207
Guadalcanal, plant formations of, 75

Hairston, Nelson G., article, 47
Hoffman, C. H., article, 1
Hydrogen-ion concentration, 246

Insecta, 18, 38
Invertebrates, 17, 38

Kozlowski, Theodore T., article, 207
Krefting, Lauritis W., article, 269

Lakes, 233
Legumes, effect on eroded soils in southeastern Iowa, 145
Light in relation to growth and competition of Piedmont forest tree species, 207
Limnological cycles, 233
Livingston, Robert B., article, 123

Mammals and birds, role in seed germination, 269
Methods, 3, 52, 237
Microenvironment, effect on establishment of vegetation on depleted subalpine range, 95
Mollusca, 17

Nemathelminthes, 17

Oxygen, 243

Pendleton, Robert C., article, 75
Pennak, Robert W., article, 233
Phytoplankton, 249, 253
Piedmont forest tree species, light and water in relation to growth and competition of, 207
Plankton, 249, 253, 263
Plant communities in bogs of central Minnesota, 173
Plant formations of Guadalcanal, 75
Plant succession in bogs of central Minnesota, 173
Plethodontid salamanders, 47

Rain shadow effect on plant formations of Guadalcanal, 75
Range, depleted subalpine, establishment of vegetation on, 95
Reactions of adapted legumes and grasses on the structural condition of eroded Lindley-Weller soils in southeastern Iowa, 145
Roe, Eugene I., article, 269
Role of some birds and mammals in seed germination, 269

Sailer, R. I., article, 1
Salamanders, 47
Seed germination, role of birds and mammals in, 269
Seeds, in bird droppings, 276
in mammal droppings, 283
Soil-root relationships of certain native grasses in various soil types, 303
Southern Appalachians, 47
Sprays, 36, 37
Structure of eroded soils in southeastern Iowa, influenced by adapted legumes and grasses, 145
Swift, H. H., article, 1

Temperature, 239
Townes, H. K., article, 1
Transects, 52, 53
Traps, 4-11

Vegetation on depleted subalpine range, influenced by microenvironment, 95

Ward, Henry S., Jr., article, 145
Water in relation to growth and competition of Piedmont forest tree species, 207
Weaver, J. E., article, 339

Zooplankton, 253